



uOttawa

Institut de recherche
sur le cerveau

Brain and Mind
Research Institute

ANNUAL REPORT

2020-2021

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CONNECT. EXCITE. HEAL

Since its establishment in 2012, the University of Ottawa's Brain and Mind Research Institute (uOBMRI) has been committed to advancing interdisciplinary research excellence on the brain and mind to create a greater impact.

The uOBMRI's strength is in its unique virtual model to promote collaborations — across disciplines, across our affiliated research hospitals, between researchers and knowledge users, and across the Ottawa region and internationally.

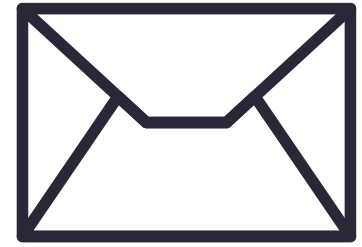


Today, the uOBMRI is the largest institute at the University of Ottawa, and with over 250 members, one of the largest in the country, creating a dynamic hub for internationally recognized research and training.

The uOBMRI leverages its extensive network by coordinating interdisciplinary research and training efforts across multiple Universities and Faculties, six affiliated hospital research institutes, and five internationally recognized research networks and centres.

MESSAGE FROM THE DIRECTOR

Looking back at this past year, it goes without saying that our research and training environment has changed dramatically over the course of 2020-2021. However, I am proud to say that the uOBMRI researchers, along with their trainees, have continued to share ground-breaking research and raise brain health awareness by adapting to our new, more virtual world.



In 2020-2021, the Strategic Plan Connect Excite Heal 2021-2026 was created through extensive and broad consultation with our members, pillar leads, Governing Council and Scientific Advisory Council. In addition, we received valuable input from our partners, community members and patient groups, all of whom worked together to provide critical advice to our Strategic Planning Action Committee for the creation of a very exciting and innovative Strategic Plan.



Thank you for your continued support and collaboration,

Dr. Ruth Slack

uOBMRI Director

MESSAGE FROM OUR uOBMRI TEAM

In Fall 2020, the uOBMRI invited research proposals from multidisciplinary teams to pursue innovative projects that are designed to accelerate the creation of research-informed innovations that transform knowledge and to create advances in technology, care and prevention, for improved health of individuals and health policy. This was made possible by seed funding from the uOBMRI and matching funds from various partners that together will support these critical basic and clinical research developments.

In the next year, the uOBMRI team will continue to work side-by-side with our research community to maximize the creation of interactive networks, the impact of our multidisciplinary research, our educational and outreach events.

All the best,

The uOBMRI Team

The uOBMRI Strategic Plan 2021-2026

This new Strategic Plan will now support four priority thematic hubs of interdisciplinary research excellence (Pillars), including: Injury and Regeneration, Mental Health, Neurodegeneration, and Neuromuscular Health, which are based on the foundation of our major strengths that have garnered international recognition to our research teams.

Built on our long-standing research excellence, the Strategic Plan leads the way to the future through the creation of new innovative cross-cutting themes to be integrated within our four strategic priority hubs. For example, given the emergence of big data and AI-driven analytics to predict health outcomes, we now include Neuroethics, and Law and Society which will be integrated into our four research priorities.

For more information on the Strategic Plan, [click here](#).



University of Ottawa
Brain & Mind Research Institute:
Strategic Plan
2021-2026

Celebrating our Young Researchers!

The uOBMRI is proud to support the next generation of brain health researchers by awarding trainee fellowship and scholarship awards on an annual basis. These awards encourage excellence in both basic and clinical research at graduate and post-doctoral levels.

These competitive awards attract top trainees to cutting-edge laboratories where they can become tomorrow's leaders in medical research. Studentships and Fellowships in 2020-2021 were awarded in the fields of Neurosurgery, Parkinson's disease, Stroke, Multiple Sclerosis, Neuromuscular, Huntington's and Alzheimer's diseases.

These fellowships and scholarships are largely made available by donor contributions and are named awards in recognition of their generous support.

Thank you to our donors for supporting our trainees! Congratulation to our 2020-2021 awardees:

MARK AND GAIL MARCOGLIESE GRADUATE FELLOWSHIP

Michael Lynn

Transformation of graded threat information by short-term plasticity mechanisms in the habenulo-raphé pathway

Karim Ibrahim

Role of vesicular glutamate transporter VGLUT3 in Huntington's disease

SAROJ AND KISHORI LAL SCHOLARSHIP

Kim Thériault

Semantic priming paradigm in mild cognitive impairment and Alzheimer's disease

ÉRIC POULIN CENTRE FOR NEUROMUSCULAR DISEASE SCHOLARSHIPS IN TRANSLATIONAL RESEARCH (STaR) AWARDS

Alex Green

The Role of Nad, Parps and Parylation as Potential Positive Mediators of Muscle Regeneration

Jarred Lau

Investigating Genes and Molecular Mechanisms in Congenital Myasthenic Syndrome

Christine Peladeau

Characteristics of the gut microbiota in Duchenne Muscular Dystrophy

Anjali Patel

An integrative proteomic approach for understanding protein mislocalization in ALS

Aoife Reilly

Neurofilament Light Chain as a Blood Pharmacodynamic Biomarker for SMA

TRAINEE SCHOLARSHIPS FOR STROKE RESEARCH

Brian Dorus	Developing an extracellular vesicle releasing duraplasty – towards functional recovery after strokes
Paulo Puac Polanco	Machine learning prediction of hematoma expansion in ICH
Faranak Vahid-Ansari	Chronic fluoxetine-induced serotonin synaptic plasticity to recover post-stroke depression in a mouse model
Min Zhang	Brain regions activated by optogenetic serotonin stimulation for post-stroke behavioral recovery in mice
Margarita Lui	Targeting in vivo cellular reprogramming and differentiation for post-stroke recovery
Mikael Ladouceur	Utilizing astrocytes to improve post-stroke recovery

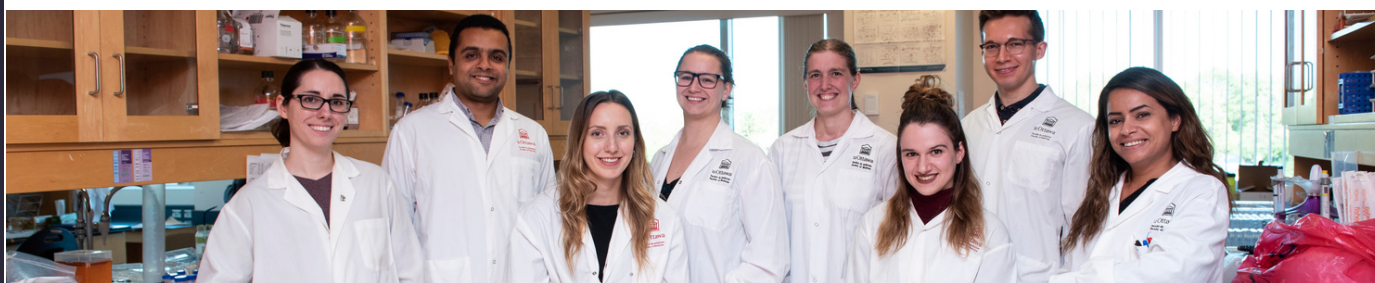
TRAINEE RESEARCHERS IN MULTIPLE SCLEROSIS AWARDS

Jason Berard	Development of a behavioral intervention for cognitive fatigability in MS
Kelsea McKay	Investigating the effect of mir-145-5p inhibition on EAE progression
Hyejun Kim	Neural correlates of dual-task interference in people with neurodegenerative disease (including individuals with MS)



PARKINSON RESEARCH CONSORTIUM

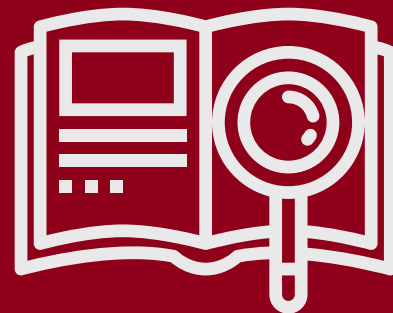
Crabtree Family Fellowship	Juan Li	Validation and calibration of the PREDIGT Score: A tool to predict the risk of developing PD in healthy individuals
Shelby Hayter Fellowship	Guillaume Doucet	Intraoperative visualization of micro-electrode recording features for deep brain stimulation
Larry Haffner Fellowship	Konrad Ricke	Integrative screens to uncover novel regulators of SNCA expression in the context of Parkinson's disease pathogenesis.
Toth Family Fellowship	Zoe Fisk	Elucidating the endogenous distribution and anatomical cells-of-origin of α -synuclein
Audrey Grant Parkinson's Research Fellowship	Steven Wade	Targeting the Sigma-1 receptor to restore mitochondrial function and neuroprotection in Parkinson's Disease
Dave and Jill Hogg Family Fellowship	Quinton Hake-Volling	Exploring the Role of GBA1 in Immune Regulation in the Context of Parkinson Disease



MICHAEL T. RICHARD CLINICAL FELLOWSHIP

Razmik Bebedijan	Evaluation of the reliability of the assessment of collaterals on multiphase computed tomographic angiography in patients with an acute ischemic stroke and a large vessel occlusion: an inter-rater and intra-rater agreement study
Muhammad Doghaim	Multimodal imaging and multichannel neurophysiology to better predict optimal DBS location and test response to stimulation
Paulo Puac Polanco	Machine learning prediction of hematoma expansion in ICH

RESEARCH IMPACT



In Fall 2020, the uOBMRI gave \$738,000 in team grants, with \$350,000 obtained from partner contributions. We are grateful for our partners' support as the research proposal from multidisciplinary teams will transform knowledge and create advances in technology, care and prevention to improve the health of individuals and health policy.



"I'm delighted that the Ottawa Hospital Research Institute is able to support these collaborative grants. We are proud to partner with uOBMRI and build on our success in translating discoveries into innovative treatments for patients with neurological diseases at The Ottawa Hospital and around the world."

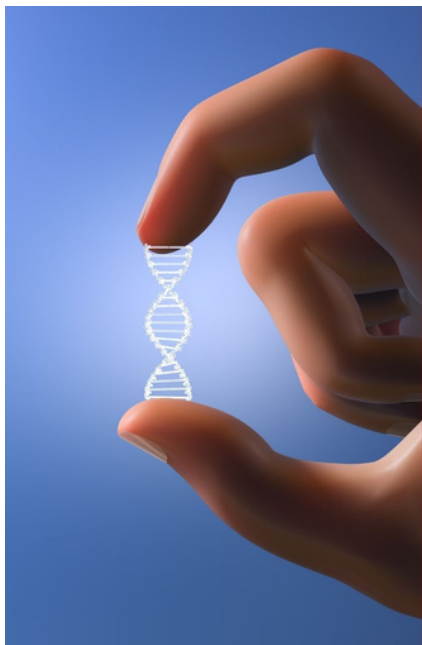
**Dr. Duncan Stewart, Executive Vice-President Research, The Ottawa Hospital,
CEO & Scientific Director, Ottawa Hospital Research Institute**

"The uOttawa Faculty of Social Sciences was proud to support the uOttawa Brain and Mind Research Institute's recent Team Grant Call for Proposals. Funding opportunities for researchers to collaborate across faculties are key to encouraging research excellence at uOttawa. We look forward to seeing what critical research advancements are made by these innovative research team grant recipients"

Dean Victoria Barham, The uOttawa Faculty of Social Sciences

PRESENTING THE

TEAM GRANT AWARDS

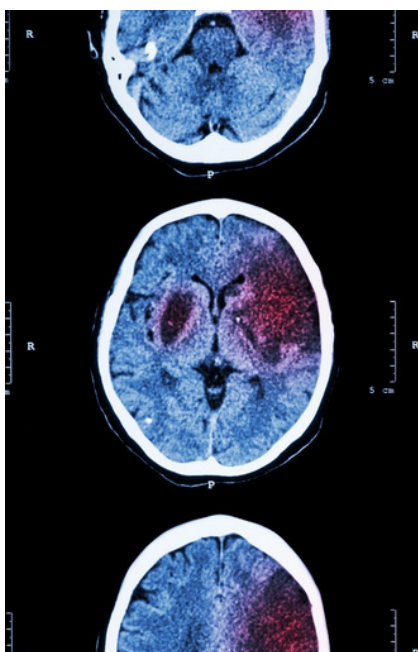


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Project: I3-PD – Integrating teams and disease mechanisms in the genetics, lipidomics and inflammation of Parkinson's

Principal Applicant:
Dr. Michael Schlossmacher

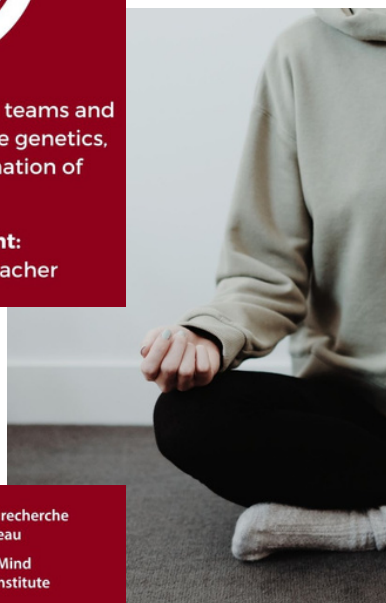


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Project: Accelerating the clinical translation of a growth factor releasing duraplasty to promote stroke recovery

Principal Applicant:
Dr. Eve Tsai



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Project: Mindfulness-based intervention/training post-concussion

Principal Applicant:
Dr. Andrée-Anne Ledoux



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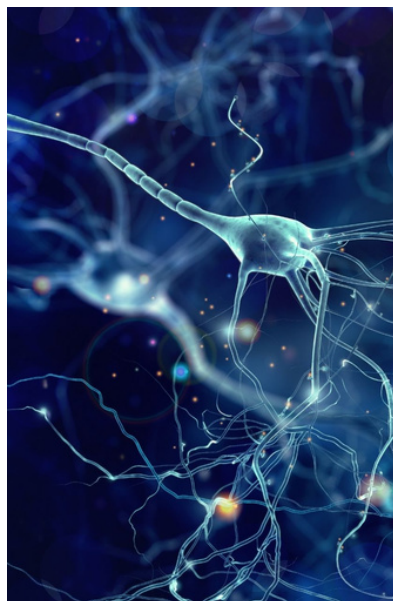


Project: The gut microbiome in disease

Principal Applicant:
Dr. Daniel Figey

PRESENTING THE

TEAM GRANT AWARDS



Institut de recherche
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Project: Improving the experience of neuroprostheses by understanding coding principles of the prefrontal cortex

Principal Applicant:
Dr. Katalin Tóth



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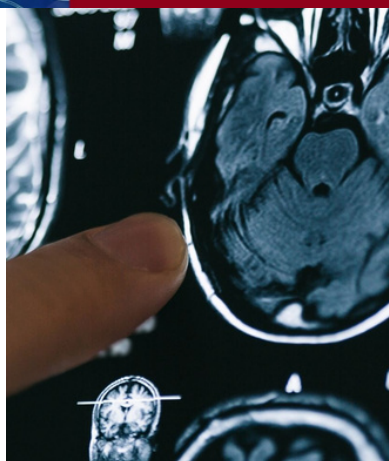


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Project: A pilot study of hyperacute mechanical endoscopic minimally invasive surgical (MIS) intracranial hemorrhage evacuation (HEALME)

Principal Applicant:
Dr. Richard Aviv



Project: From global to local - Global signal topography as novel diagnostic markers in psychiatric disorders

Principal Applicant:
Dr. Georg Northoff

Our Team Grant Partners



Department
of Medicine
Département
de médecine

The Ottawa Hospital Department of Radiology
and
The SIMM-uOttawa Joint Research Center on
Systems and Personalized Pharmacology

Centre for
Neural Dynamics

For more information on our Team Grant awards [click here](#).

RESEARCH IMPACT

CENTRE FOR NEURAL DYNAMICS

The Centre for Neural Dynamics (CND) is an initiative from the Faculties of Medicine, Social Sciences, Law and Science. Its current members are internationally recognized scientists who specialize in neural networks. The interdisciplinary strengths of the CND will be leveraged to understand how brain circuits function and how they change in diseases including stroke, depression and Parkinson's disease.

Dr. Katalin Tóth, Faculty of Medicine, uOttawa, uOBMRI



Dr. Katalin Tóth, a Canada Research Chair, was recruited from Laval University in 2019 to the uOttawa Faculty of Medicine and the uOBMRI. Dr. Toth is an expert on cellular mechanisms essential to memory, learning and spatial navigation. Her research program aims to identify the processes by which neurons create, store and retrieve new memories in the hippocampus, the part of the brain that plays a major role in memory formation.

Along with this newest recruitment, the uOBMRI provided funding in the amount of \$350,000 to support state-of-the-art equipment to enable imaging of neural circuit activity. This equipment, which is unique in Canada, will enhance the programs of many researchers beyond the Faculty of Medicine including the Faculties of Science and Social Sciences and from affiliated hospital research institutes.

Jennifer Chandler, Leads international AI consortium exploring neuroethics



The rapid evolution of AI technologies has made a profound impact on the world of medicine, leading to significant advances in how technologies can interface with the human nervous system. The use of AI-based neuroprostheses as medical devices raises a number of ethical/legal questions. An international (Canadian, German and Swiss) research team coordinated by **Professor Jennifer Chandler** seeks to address intelligent neuroprostheses, which represent the next phase in the evolution of devices integrated with the nervous system to assist, replace, or alter human sensory, motor, cognitive, and affective functions.

"Our network pursues a unified theoretical approach to the ethical-legal assessment of intelligent neuroprostheses, informed by the perspectives of users, the neuroengineering community and other key stakeholders."

Jennifer Chandler, uOttawa, Faculty of Common Law, uOBMRI



RESEARCH IMPACT

USING AI TO CRACK THE NEURAL CODE



"The mission of the Centre is the fostering of world-class interdisciplinary research into the fundamental dynamical workings of brain circuits at all scales, and the associated training of students and fellows in this exciting emerging area."

Dr. André Longtin about the future of the CND



Dr. Richard Naud's work is published in AI in Nature (uOttawa, uOBMRI)



Dr. Richard Naud published "Burst-dependent synaptic plasticity can coordinate learning in hierarchical circuits" in Nature Neuroscience. This paper examines how synaptic plasticity can lead to meaningful learning. This exciting research strengthens the relationship between Artificial Intelligence (AI) and Neuroscience, by showing how the most essential algorithmic element used in AI can actually be implemented by the brain. Learn more by reading our interview [here](#).

RESEARCH IMPACT

ADVANCING AUTISM RESEARCH

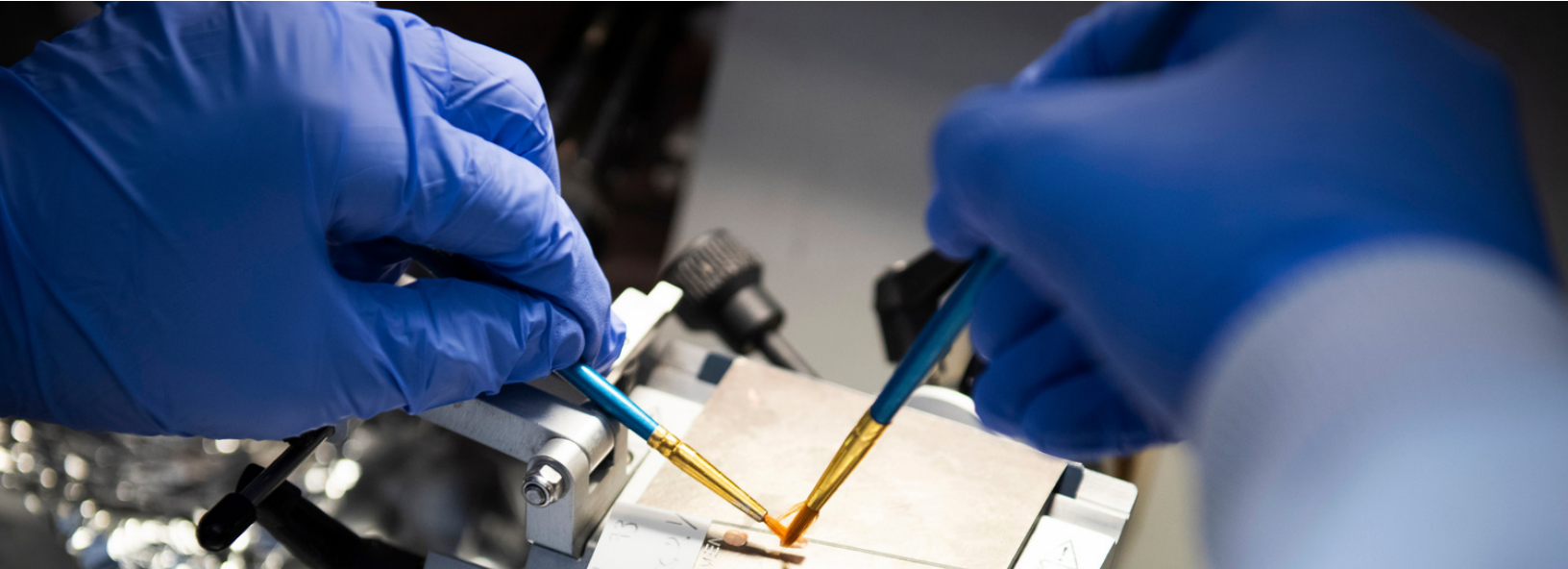
Understanding the Impact of Vascular Development on Autism



A Canadian collaboration led by uOBMRI researcher **Dr. Baptiste Lacoste** (Assistant Professor, Scientist, Neuroscience Program at the Ottawa Hospital Research Institute) conducted a pioneering in-depth study of vasculature in the autistic brain. This groundbreaking study revealed several lines of unique evidence that strongly implicates defects in the lining of blood vessel cells in autism. Dr. Lacoste's team used a mouse model with one of the most common genetic mutations found in autism spectrum disorder—16p11.2 deletion. Learn more about this discovery [here](#).

“This work has emphasized the complexity that is the pathophysiology of autism. Identifying new vascular aspects in autism is essentially the first step in unraveling innovative therapeutic approaches for a long-term goal of improving quality of life.”

Julie Ouellette, PhD Candidate, uOttawa Faculty of Medicine



RESEARCH IMPACT

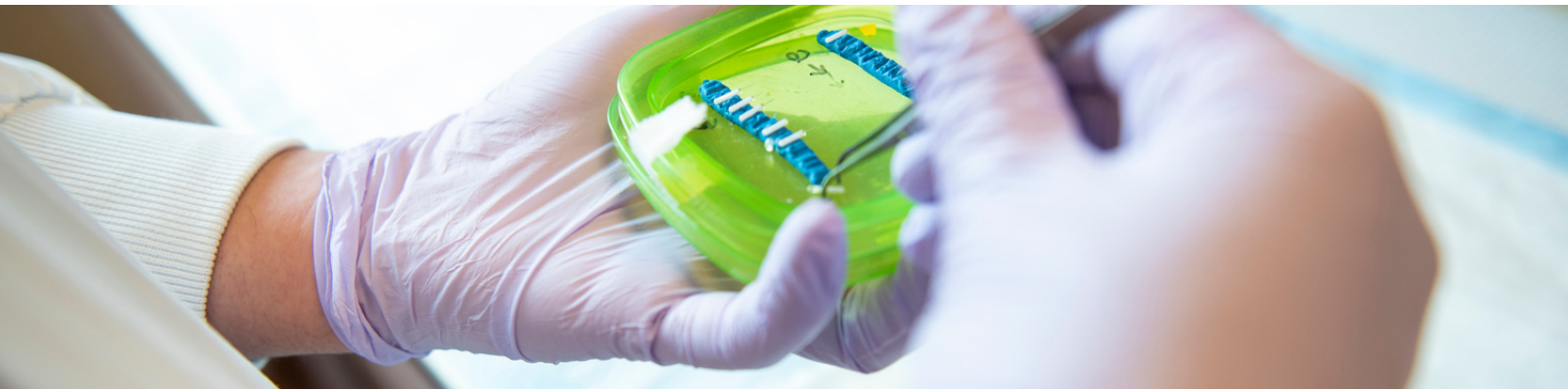
ADDRESSING INEQUALITIES IN HEALTH

Dr. Smita Pakhalé is Tackling Health-Care Inequities Affecting Vulnerable Populations



For as long as she can remember, **Dr. Smita Pakhalé** has always been deeply aware of social injustice and has never turned a blind eye to it. "I grew up in India where there are a lot of inequities because of the caste system; I was always inspired by my parents' focus on action rather than being a spectator of the marginalized."

Those principles have guided her research efforts over the past decade. A scientist at the Ottawa Hospital Research Institute (OHRI) and a respirologist at The Ottawa Hospital since 2008, Pakhalé also works as a clinical researcher in epidemiology at The Bridge Engagement Centre, an open community and research space in the heart of Ottawa. This is where she maps out innovative clinical research approaches to tackle health-care problems among the city's most vulnerable populations, "the ones on the margin who often fall through the cracks and stay away from health-care services, where they feel stigmatized and not welcome".



Dr. Monnica Williams drives research on detecting and managing racial microaggressions (Associate Professor, Faculty of Social Sciences)

Awarded Canada Research Chair in Mental Health Disparities



On December 2020, the Ontario Ministry of Colleges and Universities announced a historic \$50 million investment in the form of the Virtual Learning Strategy (VLS), a strategy whose goal is to drive growth and advancement in virtual learning in post-secondary institutions. Funding from this investment supported projects that touch on mental health, community mobilization and equity. **Dr. Monnica Williams**, along with Dr. Giorgio Tasca, was awarded funding for their project "Detecting and managing racial microaggressions: A virtual interactive simulation tool for clinicians to manage everyday racism in therapeutic settings."

MAKING AN IMPACT ON COVID-19

C19 Immunity Study led by Dr. Amy Hsu aims to understand the impact of COVID-19 on vulnerable and high-risk populations

This study is led by **Dr. Amy Hsu** from the Bruyère Research Institute and Professor Marc-André Langlois at the University of Ottawa and involves many researchers from universities across Canada. The goals of this study are to build a better understanding of how widespread COVID-19 is in our most vulnerable and high-risk populations and to study the level and duration of protection of currently approved COVID-19 vaccines.

Understanding the Impact of COVID-19 on the Mind

Dr. Simon Hatcher is tapping into his wealth of mental health research as head of the Hatching Ideas Hub in a cohort study of Covid-19 test positive and negative patients to detect and provide early treatment for mental health disorders.

Canadian Medical Residents and the effect of COVID-19

Dr. Jennifer L. Phillips, an Assistant Professor in the Department of Psychiatry within the Faculty of Medicine, is examining the impact of COVID-19 on the mental health of Canadian medical residents.



MAKING AN IMPACT ON COVID-19

Dr. Roger Zemek Leads the Concussion 360 Clinic reducing access barriers

The Concussion 360 clinic has the vision to be the leading provider of concussion treatment delivering physician-led, integrated, multi-disciplinary care and operating as a learning health system to produce world-leading research and best practices. By integrating concussion treatment and care in one accessible location, Dr. Zemek and his team are exploring barriers to access and innovatively improve healthcare. Learn more [here](#).



Dr. Roger Zemek receives close to \$1 million for COVID-19 Study

Dr. Roger Zemek has been funded twice for his study “Natural Evolution of Serum Antibodies in Children and Adults with SARS-CoV-2 and Household Contacts.” This study will advance our understanding of how the virus spreads within households and how the spread can be mitigated.

Dr. Alex Mackenzie is leading a multidisciplinary team to investigate how COVID-19 can spread through communities by examining wastewater

The measurement of the virus, which is passed in wastewater, represents a single-point metric potentially reflecting a given community's disease activity. This approach may be particularly important given recent supply chain concerns limiting population-based COVID-19 screening. They have also discovered that SARS-CoV-2 protein in wastewater mirrors COVID-19 prevalence, which could help decision-makers schedule resources before test results show spikes.

TEA TIME WITH THE DOCS

The uOBMRI hosted its first virtual educational fundraiser, Tea Time with the Docs, on May 28th, 2021. Moderated by CTV Ottawa's Leanne Cusack, this virtual event was an opportunity to meet some of Canada's most inspiring international leaders in brain disease research and learn strategies to enhance brain function. The overall theme was discovering the **POWER** of your brain and the goal was to promote brain health research advancements and healthy living in our community.



Discover the Power of Your Brain

Maximizing Your Brain **POWER** to Prevent Dementia

- Antoine Hakim, M.D., Ph.D. and Amy Hsu, Ph.D.

Understanding Your Cognitive **POWER** and Multiple Sclerosis

- Mark Freedman, M.D. and Lisa Walker, Ph.D.

The **POWER** of Optimizing Activity to Maximise Concussion Treatment

- Andrée-Anne Ledoux, Ph.D. and Roger Zemek, M.D.

How Exercise **POWERS** the Muscle and the Brain

- Natalia Jaworska, Ph. D. and Hanns Lochmüller, M.D., Ph.D.

The **POWER** to Prevent and Treat Stroke

- Dar Dowlatshahi, M.D. and Baptiste Lacoste, Ph.D.

TEA TIME WITH DOCS

420+ Tickets Sold

\$18,750 in Sponsorship

\$180,000+ Donated

...directly supporting brain health research at the uOBMRI

Thank You to Our Sponsors

Platinum



Gold



Silver



Bronze



Viewer's Comments!

"Very interesting. I really enjoyed this session"

"Very illuminating"

"Fabulous session, thank you to all"

"What a fantastic Tea Time; I am a caregiver to someone who is beset with a number of the symptoms exhibited in the talks...what a relief to actually have some solid research. Hats off to all of you"

"Excellent information that was well delivered. Thanks!"

"Excellent. Time well spent"

"Thank you for the amazing tea time!"

"We are so proud of our Doctors and Researchers. This is an outstanding Tea Time"

uOBMRI EDUCATIONAL OUTREACH



Academy of Mindfulness and Contemplative Studies Lecture Series

The uOBMRI hosted a series of educational events with the Academy of Mindfulness and Contemplative Studies. This series highlighted themes such as: Addressing Burnout with Self-Compassion, Cultivating Mindfulness for Wellbeing Among Family and Caregivers and the Basic Sanity of Compassion.

"The Academy's mission is to educate the public about mindfulness. We are grateful to the experts who generously gave their time to talk about mindfulness and compassion and how these practices can be applied in everyday life to promote wellbeing."

Diana Koszycki, Professor, Faculty of Education, Faculty of Medicine (Department of Psychiatry), uOttawa



Research Collaboration Goes Virtual: Gut-Brain Axis Networking Event

Led by Dr. Daniel Figeys, in May 2021, the uOBMRI hosted the Gut-Brain Axis Networking Event. This event included 130 registered attendees from multiple Faculties and hospital-based research institutes. All attendees were dedicated to research investigating the influence of the gut on the brain and behaviour, which deliver remarkable insights into new ways of improving brain health.



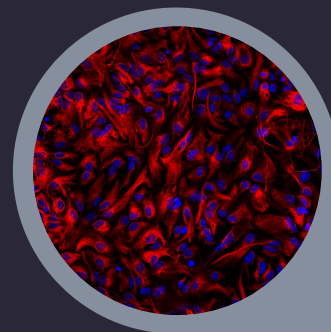
Brain Health Awareness Week

The uOBMRI welcomed a record-breaking 2,000 virtual attendees for a week long event focused on promoting brain health research. Attendees from across Canada learned more about Memory Loss, Parkinson's Disease, Exercise, Mental Health, and Neuromuscular Disease research. Each evening included a variety of basic and clinical researchers, trainees and community members with lived experience.



Brain Health Research Day

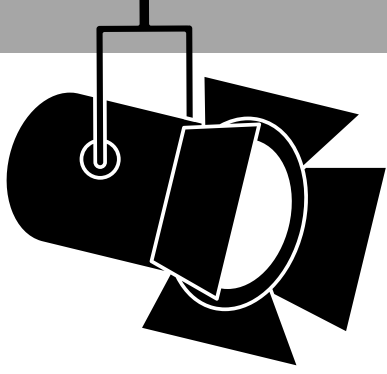
The uOBMRI hosted the Brain Health Research Day, in partnership with The Royal's Institute of Mental Health Research and in collaboration with the Neuroscience and Mental Health Trainee Network (NeuMe-TN). This two-day virtual event was a great success with over 250 attendees focused on encouraging networking between trainees and researchers and showcasing the latest in brain health research.



David Park Colloquium Series

To foster collaboration between uOBMRI researchers and to highlight the work of one basic researcher and one clinical researcher who are each tackling the same topic from different perspectives. The series highlighted themes such as: Alzheimer's disease, Dravet Syndrome and other Developmental Epileptic Encephalopathies and Concussion Management.



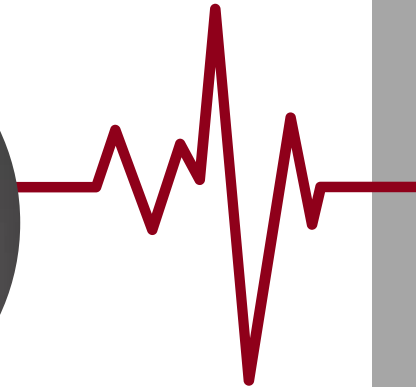


uOBMRI SHOWCASE

*May 2020-May 2021

The uOBMRI Leads the Establishment of the Hub of Excellence for Cardio-Neuro-Mind Research (HCNMR)

The brain and heart are intricately connected, and Canada Foundation for Innovation's \$5.8M award to the Hub of Excellence for Cardio-Neuro-Mind Research Project, led by **Dr. Ruth Slack**, Director, uOBMRI and **Dr. Peter Liu**, Chief Scientific Officer and Vice President of Research at the University of Ottawa Heart Institute, will discover these links to transform patient care. The Hub of Excellence for Cardio-Neuro-Mind Research, hosted at the University of Ottawa, is Canada's first multi-disciplinary, multi-specialty research group investigating the shared mechanisms underlying heart, brain, and mind health challenges.



Discovering the Difference in Alzheimer's Treatment on Males and Females

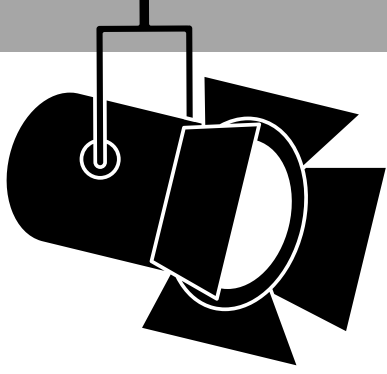
A study from **Dr. Stephen Ferguson's** lab demonstrated that sex-specific Alzheimer's treatment may benefit males over females, which could impact the design of future drug trials. It was also recently listed as one of the Editors' top picks of papers published in Science Signaling in 2020.

Congratulations to Dr. Ferguson for his election as a 2021 Fellow of the Canadian Academy of Health Sciences (CAHS)!

His election as a Fellow of CAHS is a recognition of the excellence of his work as a leader in Canadian Health Sciences.



Canadian Academy of Health Sciences
Académie canadienne des sciences de la santé



uOBMRI SHOWCASE

*May 2020-May 2021

Dr. Vance Trudeau has identified a new hormone that stimulates sexual functions in fish which could lead to novel infertility treatments in humans



Dr. Vance Trudeau and his team discovered that secretoneurin is a reproductive peptide and is indeed a new sex hormone. Dr. Trudeau's team showed that secretoneurin can stimulate the brain and pituitary gland to release other well-known hormones that have key roles in reproduction. These are completely new findings, opening up a new area of investigation for researchers interested in the factors that control sexual behaviour and fertility.

Dr. Jodi Edwards named UOHI Investigator of the Year!



Dr. Jodi Edwards was announced as the University of Ottawa Heart Institute's 2020 Investigator of the Year. This award recognizes outstanding research achievements in this past year, including peer-reviewed grants and publication success. The uOBMRI is proud to work with Dr. Edwards, who is a strong brain-heart health advocate.



Dr. Alex MacKenzie won the 2020 CHEO Research Institute Osmond Impact Award for his COVID-19 research and his decades of work on rare diseases, spinal muscular atrophy and diabetes.

OUR GOVERNANCE



Governing Council:

- Sylvain Charbonneau (Chair)
- Dr. Victoria Barham
- Dr. Jason Berman
- Dr. Florence Dzierszinski
- Dr. Bernard Jasmin
- Dr. Bernard Leduc
- Dr. Ruth Slack
- Dr. Duncan Stewart
- Dr. Lucie Thibault

Scientific Council:

- Dr. Ruth Slack (Chair)
- Dr. Jean-Claude Béique
- Jennifer Chandler
- Dr. Jodi Warman Chardon
- Dr. Dar Dowlatshahi
- Dr. Jodi Edwards
- Dr. Steven Ferguson
- Dr. Amy Hsu
- Dr. Nafissa Ismail
- Dr. Diana Koszycki
- Dr. Baptiste Lacoste
- Dr. Diane Lagace
- Dr. Hanns Lochmüller
- Dr. André Longtin
- Dr. Richard Naud
- Dr. Georg Northoff
- Dr. Smitha Pakhalé
- Dr. Robin Parks
- Dr. Jennifer Phillips
- Dr. Maxime Rousseaux
- Dr. Michael Schlossmacher
- Dr. Adam Shuhendler
- Dr. Neil Thomas
- Dr. Katalin Tóth
- Dr. Eve Tsai
- Dr. Lisa Walker
- Dr. Roger Zemek



OUR COMMUNITY LEADERS

The White Coat Cabinet is a committee of community leaders in Ottawa who are passionate advocates for brain health research. We are honoured to count these members as uOBMRI supporters.

White Coat Cabinet Members:

- Subhas Bhargava (Chair)
- Jim Durrell
- Derek Finley
- Annie Grenon
- Dr. Antoine Hakim
- Young-Hae Lee
- Ken Nelson
- Brian Reinke
- Dr. Radhey Singhal
- Ken Talwar
- Dr. Venkatesh Thiruganasambandamoorthy

OUR PARTNERS

The success of the University of Ottawa Brain and Mind Research Institute depends on its institutional members: The Ottawa Hospital and the Ottawa Hospital Research Institute, The Royal Ottawa Health Care Group and The Royal's Institute of Mental Health Research, affiliated with the University of Ottawa, Bruyère Continuing Care and the Bruyère Research Institute, the Children's Hospital of Eastern Ontario (CHEO) and the CHEO Research Institute, as well as, Hôpital Montfort and Institut de recherche de l'Hôpital Montfort.

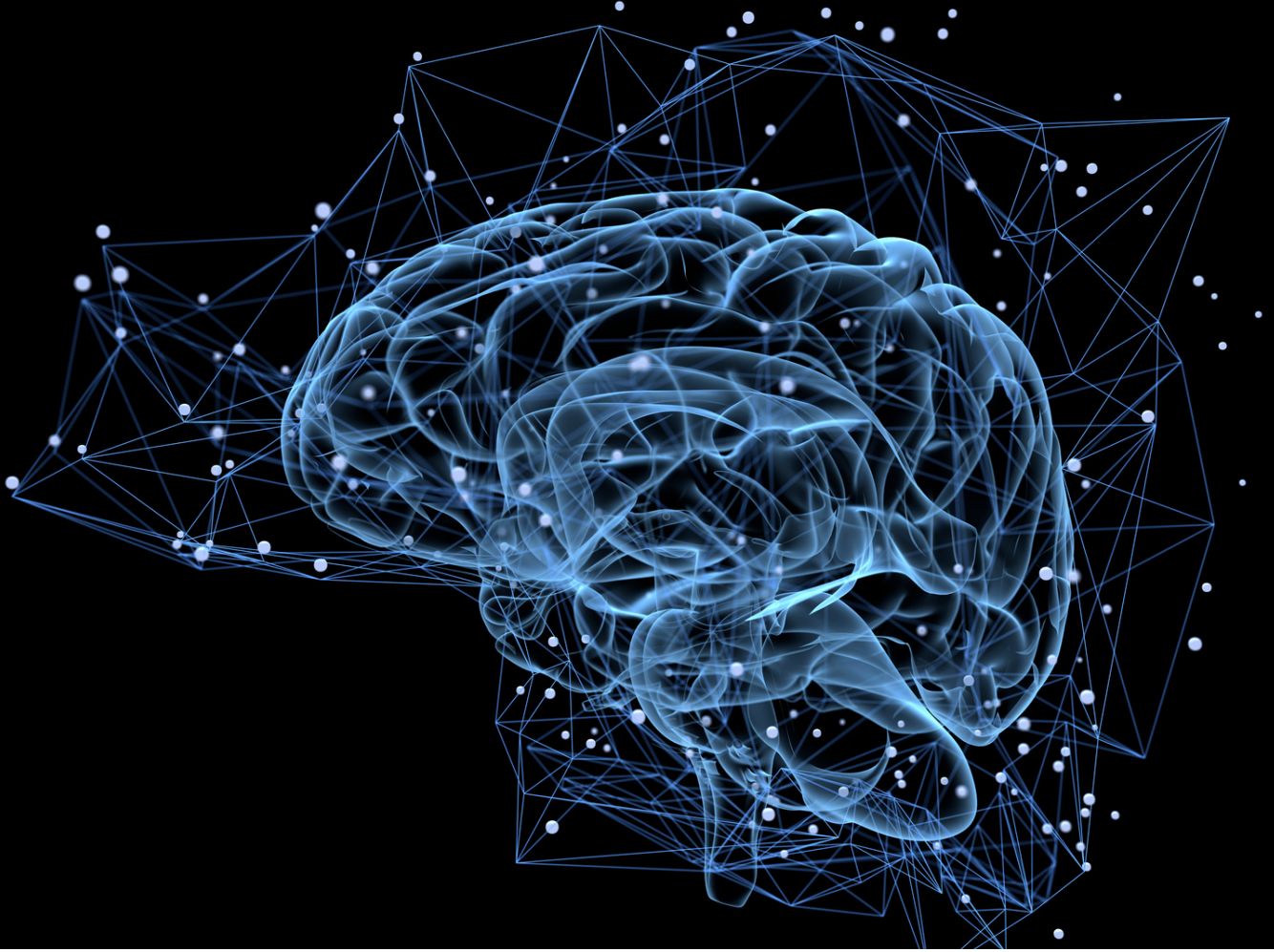
Our University of Ottawa faculties include; the faculties of Medicine, Science, Social Sciences, Health Sciences, Arts, Education, Engineering, and Law



OUR INTEGRATED NETWORKS

Our integrated networks result from our efforts to help bridge the gap between the needs of the community and the research going on at the uOBMRI. These networks are primarily comprised of our members, patients, caregivers, community leaders and ambassadors of the uOBMRI. We come together to share ideas, build awareness and ultimately thrive to advance community outreach and engagement.

- **Parkinson Research Consortium**
- **Centre for Neural Dynamics**
- **Centre for Neuromuscular Disease**
- **Multiple Sclerosis Research Group**
- **Stroke Research Consortium**
- **Concussion Advisory Group**
- **Memory and Cognition Group**
- **Neuromuscular Disease Network for Canada**
- **The Academy of Mindfulness and Contemplative Studies**
- **Canadian Partnership for Stroke Recovery**



Work with our Team

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